

**Department of Public Works and Transportation  
Montgomery County, Maryland**

***DIVISION OF SOLID WASTE SERVICES***



The upgraded Oaks Landfill Gas Management Facility

***MONTHLY REPORT  
DECEMBER 2003***



*Printed on Recycled and Recyclable Paper*

## TABLE OF CONTENTS

<u>OVERVIEW</u> .....	3
<u>CITIZEN COMMITTEES</u> .....	4
<u>COLLECTIONS</u> .....	4
<u>WASTE MINIMIZATION</u> .....	8
<u>HAZARDOUS WASTE PROGRAMS</u> .....	9
<u>AIR PERMITS AND ENVIRONMENTAL PROGRAMS</u> .....	9
<u>RECYCLING</u> .....	10
<u>PILOT PROGRAMS</u> .....	11
<u>FACILITY ACTIVITIES</u> .....	12
<u>GENERAL INFORMATION</u> .....	14
<u>SOLID WASTE FACTS IN A NUTSHELL</u> .....	15
<u>GLOSSARY OF ACRONYMS</u> .....	16

## **OVERVIEW**

### **Tonnage at a Glance**

The following table shows key material flows during the current month, fiscal year to date (FY Total), and current calendar month in the two prior fiscal years. (County fiscal year 2004 began July 1, 2003.)

<b>FACILITY</b>	<b>Dec FY04</b>	<b>FY04 Total</b>	<b>Dec FY03</b>	<b>Dec FY02</b>
Materials Recovery Facility <sup>(1)</sup>	8,642 tons	44,909 tons	7,847 tons	6,629 tons
Brunswick Landfill Facility <sup>(2)</sup>	24,761 tons	155,705 tons	16,812 tons	16,131 tons
Resource Recovery Facility <sup>(3)</sup>	46,012 tons	320,957 tons	51,556 tons	31,645 tons
Yard Trim Compost Facility	15,587 tons	55,603 tons	17,648 tons	14,696 tons

<sup>(1)</sup>MRF tons reported are outgoing.

<sup>(2)</sup>This category only addresses waste sent to the landfill for disposal. It does not include rubble that is recycled.

<sup>(3)</sup>RRF tonnage refers to tons burned (processed). Waste shipped from the Transfer Station but not burned is in the pit and is not included in the tonnage presented here.

### **Revenue Analysis and Systems Evaluation** – During December, program staff:

- Researched 289 new property billing characteristics and entered them into TXA 170 system;
- Processed vacancy refunds payable in December;
- Prepared monthly house counts for contractors;
- Updated Access™ and Excel™ spreadsheets for monthly contractor reports;
- Entered appeal updates into TXA 170 system;
- Continued to research solid waste fee abnormalities in the property tax database;
- Generated Hauler Credit Account invoices for December 2003 totaling \$1,602,842.51 (an increase of \$436,308.39 over December 2002);
- Added two new hauler credit accounts;
- Temporarily detailed one staff member to the Transfer Station;
- Prepared and mailed out six-month hauler tonnage report forms and submittal instructions;
- Continued working on CY03 Mass Balance tonnages;
- Revised FY02 and FY03 Countywide Material Accounting;
- Conducted additional research on nonresidential system benefit charge options for applying DSWS statistical field study results;
- Conducted additional research on innovative means of gathering waste generator data;
- Calibrated the Disposal Fund Fiscal Health Spreadsheet to final year-end work papers of the Department of Finance; and
- Prepared a strategic analysis of the need for a revised tipping fee and drafted related Decision Memo.

## **CITIZEN COMMITTEES**

**Facilities Implementation Group** – FIG met on September 9<sup>th</sup> at the Gothic Barn in Dickerson. Eleven FIG members, three County staff, four contract staff and a consultant from Ecotone were in attendance. Topics discussed included Preliminary Findings – Forest Evaluation & Recommendations by Ecotone.

The next FIG meeting will be held on March 9, 2004, at the Gothic Barn in Dickerson.

**Solid Waste Advisory Committee** – SWAC held its monthly meeting on December 2<sup>nd</sup>. Ten SWAC members, four County staff and three guests were in attendance at the meeting. SWAC members received a presentation on the Recycling Volunteer Program and on Residential Recycling Outreach and Education from Ms. Eileen Kao, Recycling Education and Outreach Coordinator. SWAC is preparing for its annual meeting with the County Executive scheduled for January 27, 2004.

## **COLLECTIONS**

**Refuse** – Refuse collections went as scheduled in December; we had one holiday slide for Christmas and everything worked well with Thursday's collections being made on Friday and Friday's collections being made on Saturday.

**Enforcement Actions** – Three citations were issued for violations of the County's Solid Waste Laws:

Two Citations	Collected solid wastes without a valid collector's tag attached
One Citation	Permitted solid wastes to be stored outside storage containers

Twenty-One NOV's were issued for violations of the County's Solid Waste Laws:

Nine NOV's	Dump or deposit solid wastes at other than a solid waste facility
Six NOV's	Permitted solid wastes to be stored outside storage containers
Two NOV's	Collected solid wastes without a valid collector's tag attached
Two NOV's	Improperly stored and/or permitted solid wastes to accumulate
One NOV	Did not have a proper recycling program on site
One NOV	Deposit solid wastes upon property of another without consent

**Contractor Performance** – During the month of December 2003, DSWS received 519 complaints; 42 less than December 2002, which numbered 561.

The County's new refuse and recycling contracts require DSWS to poll residents in each area bi-annually to gauge contractor performance. The contract calls for any crew that receives an excellent rating of 90% or greater to receive a \$200 bonus from the County. While no crew achieved that level of performance this period, DSWS chose to recognize the top three crews (highlighted below) with certificates of appreciation and

gift cards from the Division Chief. The following table displays the results of the first surveys of residents' satisfaction of our new contractors.

Area/Route	Excellent	Good	Acceptable	Poor	Unacceptable
2/1					
Trash	39%	33%	19%	3%	6%
Recycle	54%	31%	11%	0%	3%
2/2					
Trash	56%	37%	7%	0%	0%
Recycle	61%	37%	2%	0%	0%
2/12					
Yard Trim	59%	28%	10%	1%	1%
2/3					
Trash	59%	23%	9%	5%	5%
Recycle	64%	18%	18%	0%	0%
2/4					
Trash	47%	50%	3%	0%	0%
Recycle	47%	47%	3%	3%	0%
2/34					
Yard Trim	50%	38%	7%	5%	0%
Area/Route	Excellent	Good	Acceptable	Poor	Unacceptable
5/1					
Trash	31%	50%	13%	6%	0%
Recycle	44%	38%	19%	0%	0%
5/2					
Trash	39%	30%	26%	4%	0%
Recycle	43%	26%	26%	4%	0%
5/12					
Yard Trim	31%	25%	34%	9%	0%
5-3					
Trash	60%	33%	0%	0%	7%
Recycle	53%	40%	7%	0%	0%
5/4					
Trash	73%	21%	0%	3%	3%
Recycle	70%	21%	3%	6%	0%
5/34					
Yard Trim	56%	32%	2%	5%	5%
Area 10	Excellent	Good	Acceptable	Poor	Unacceptable
Recycle	66%	33%	0%	0%	0%
Yard Trim	20%	60%	10%	10%	0%

**Recycling** – Mixed paper tonnages for the residential program during the past 52 weeks are as follows:

CURRENT PERIOD	POUNDS PER HOUSEHOLD	CORRESPONDING PERIOD PREVIOUS YEAR
12/23/02-1/17/03	9.75	9.58
1/20/03-2/14/03	8.83	9.01
2/17/03-3/14/03	8.94	9.02
3/17/03-4/11/03	10.01	9.73
4/14/03-5/09/03	9.93	9.81
5/12/03-6/06/03	10.09	9.58
6/09/03-7/05/03	9.77	9.21
7/07/03-8/01/03	9.05	8.74
8/04/03-8/29/03	9.37	9.24
9/01/03-9/26/03	10.43	10.15
9/29/03-10/24/03	10.50	10.45
10/27/03-11/21/03	11.43	11.04
11/24/03-12/19/03	11.97	11.74

**Customer Service** – DSWS received 7,132 incoming calls; 37 follow-up calls were made for quality assurance. There were 1,096 blue bins ordered through the Customer Service Staff, and 65 bins picked up from the Transfer Station.

For the month of December, we received 49 customer service surveys.

SURVEY QUESTION	December 2003		
	YES	NO	N/A
Did we satisfactorily address your request or concern?	89%	8%	3%
Are your trash and recyclables at the curb by 7:00 a.m.?	87%	11%	2%
Do you use our yard trim recycling program?	55%	45%	0%
Do you grasscycle or compost your yard trim?	46%	54%	0%
Do you know about:			
The curbside scrap metal recycling program?	34%	66%	0%
Textile recycling?	20%	77%	3%
Computer recycling?	35%	65%	0%
Household Hazardous Waste drop-offs?	58%	42%	0%
Don't Dump – Donate program?	21%	79%	0%
Use it again program?	18%	77%	5%
Satellite drop-offs?	24%	76%	0%
Have you used the Transfer Station?	60%	38%	2%

Additional comments:

Household waste collections need to be more frequent and should last all day on the designated dates.

Easy to order new bins online. Terrific, clear instructions. It's pretty easy as it is.

The bagging/boxing requirement for paper is annoying. Is there some way to provide or let us use some sort of bin with a lid for loose paper that the recyclers can just dump?

We take our trash to the Transfer Station. We do not have a trash collection service.

Provide a bin for paper (I've actually seen them at some homes but not on our street yet).

Transfer Station - Too difficult to use with auto utility trailer. That's why I use the Poolesville Beauty Spot instead.

The County needs an easier way to recycle newspapers/mixed paper without having to bag all the items.

Transfer Station - I feel that the times I have been to the Station, it's well kept and organized. Very happy with how it's run.

Put large blue bins on wheels.

Having just moved from Baltimore City where services are hit-or-miss at best, we are thrilled with the ease of the web site interface and the responsiveness that we have received on both of our requests (for another blue bin and for supplemental trash collection.)

I love the Transfer Station. It's very organized. I wish they would let citizens take things from there that look useful to them – e.g. something left by someone else as trash that is in usable or repairable condition.

**Web Site** - The following is information gathered from the Montgomery County Solid Waste web site through the month of December:

List Memberships	
HHW Announcements	603
Holiday Reminder List	3,115
Newsletter Helper	165
Usage Counters – December 2003	
Total of Visits	N/A
Total Page Views	N/A
Among the most frequently visited pages were: <ul style="list-style-type: none"><li>• Recycling</li><li>• Transfer Station</li><li>• Trash</li><li>• Household Hazardous Waste</li><li>• Holiday</li><li>• MRF</li></ul>	

<ul style="list-style-type: none"> <li>• Propane Tanks</li> <li>• Solid Waste Charge</li> <li>• Volunteer Information</li> <li>• Scrap Metal</li> </ul>	
<b>WHEELED CARTS</b>	
Total Page	102
Hits	
<b>SORRT</b>	
Total Page	369
Hits	
<b>TRRAC</b>	
Total Page	32
Hits	
<b>E-Mail –December 2003</b>	
Top Issues : <ul style="list-style-type: none"> <li>• Service issues</li> <li>• Trash</li> <li>• SORRT</li> <li>• Computer/electronics recycling</li> </ul>	185
Blue Bins	381

## **WASTE MINIMIZATION**

<b>Product Recycled</b>	<b>Approximate weight recycled in December 2003</b>
Computer	38.6 tons
Fire Extinguishers	None
Propane Tanks	4.2 tons
Textiles	9.4 tons
Don't Dump – Donate	1.5 tons
Bicycles	None
Rechargeable Batteries	None

**Department of Environmental Protection's Home Composting and Source Reduction Activities** – The GreenMan Column did not appear in December, although past columns remain the most visited on the DEP website, generally representing 50-60% of the top ten downloaded HTML pages (115,826 hits). The Worm Composting PDF file was the third most downloaded document on the site.

The GreenMan Show continues to air daily on Cable Channel 6, with online streaming video and access to past shows via online archives.



## **HAZARDOUS WASTE PROGRAMS**

**Household Hazardous Waste Collection** – There was one HHW event on December 7<sup>th</sup> at the Transfer Station with 700 patrons attending.

**Mercury (Hg) Free Campaign** – The program for collecting thermometers containing Hg and passing out digital thermometers continues to receive active participation.

**Small Quantity Generator/Ecowise Program** – One Small Quantity Generator/Ecowise event was held on December 10<sup>th</sup> with four companies participating.

## **AIR PERMITS AND ENVIRONMENTAL PROGRAMS**

**Resource Recovery Facility (RRF): CEMS Tracking of RRF Operations** – In December, the Continuous Emissions Monitoring System (CEMS) continued to track the percent load, certain engineering parameters and emissions of all three units. The CEMS indicated that all three units operated through December 10<sup>th</sup> until approximately 11 p.m. when the CEMS showed no emissions from unit 2 indicating that the unit was brought offline. Inquiries with Covanta indicated that the unit was brought down for scheduled maintenance. After completing maintenance work, the unit remained shutdown because of insufficient waste for all three units to operate. Therefore, only units 1 and 3 operated until the end of the month.

The Hydrogen Chloride (HCl) analyzer for unit 3 continued to malfunction intermittently during December and showed spikes that exceeded the emission limits specified in the Title V Air Permit. As stated in the November report, DSWS and Covanta staff examined the sample line and determined that it was damaged. In November, Covanta ordered a new sample line. Covanta received the new sample line bundle from the manufacturer the third week of December and installed it on December 18<sup>th</sup>. Subsequent to December 18<sup>th</sup>, the analyzer has been functioning normally. Because the high HCl levels that occurred in the first half of December were due to equipment malfunction, the HCl spikes do not constitute a violation of the Title V Air Permit. There were no equipment malfunctions that affected stack emissions other than the incident discussed above.

TESTAR, the contractor who conducted the annual stack testing in October, submitted a draft report in December. DSWS and the Northeast Maryland Waste Disposal Authority are currently reviewing the report.

Covanta performed the monthly "Opacity Test" on December 8<sup>th</sup>. The opacity test is a requirement under Title V of the RRF Air Permit. As in past tests, the opacity readings were 0% compared to the Title V Permit limit of 10%.

In the first week of December, the set of three CEMS CD-ROM's were updated to include CEMS data up to November 30, 2003. Copies of the CDs' were placed in the Rockville and Poolesville libraries.

**FIG-SWAC Air Quality Subcommittee** – In the last week of December, ENSR submitted the draft report for the summer Ambient Air Quality Monitoring Program that was conducted in May/June 2003. In this report, ENSR consolidated the winter (December 2002-January 2003) and summer (May-June 2003) Ambient Air Quality Monitoring Programs. DSWS is currently reviewing the report. After DSWS review, the report will be submitted to the FIG-SWAC Air Quality Subcommittee for review.

Currently, efforts are still ongoing to prepare data for conducting the Cumulative Health Risk Assessment. Emissions and engineering data on the NIH Animal Center heating plant has been received and is being processed. Data from MDE pertaining to Neutron Products has not yet been received. Data selection, data analysis and air quality modeling work is expected to be completed in FY04. The Toxicological Health Risk Assessment will be conducted in FY05.

**Oaks Landfill Energy Recovery** – A Request for Proposal has been prepared and forwarded to the Office of Procurement.

**Contracts and RFP's** - ENSR continues efforts to collect and process emissions data for landfills and natural gas-fired turbines for conducting the Cumulative Health Risk Assessment in FY05.

In FY04, ENSR will prepare the final report on the RRF Health Risk Assessment Update and the Ambient Air Monitoring program.

In the first half of FY05, ENSR will conduct the Ambient Non-Air Media Sampling Program and the Toxicological Evaluation of the Cumulative Health Risk Assessment for the Dickerson facilities. In the second half of FY05, ENSR will prepare reports on the Cumulative Health Risk Assessment for the Dickerson facilities and the Non-Air Media Ambient Monitoring Program.

Technical Environmental Services (TES) of Gaithersburg submitted the November monthly maintenance report for the Meteorological Tower. No problems were found.

In February/March, SCS Engineers will prepare the "Annual Emissions Certification Report" for the Oaks landfill for submission to MDE by March 31, 2004.

## **RECYCLING**

**Public Outreach** – Work continues on all FY04 budgeted activities. A task order on the Feasibility Study on Franchised Recycling Collection to Promote Recycling in the Non-Residential and Multi-Family Sectors has been issued via the new engineering contract.

**Commercial Recycling and Waste Reduction** – Staff continued to perform on-site visits of businesses in December and resolved several complaints. Staff participated in eight recycling outreach events throughout the month speaking with 655 people. Staff

mailed the Annual Business Recycling and Waste Reduction Report to medium and selected small businesses that are required to file for 2003. The winter issue of the SORRT Network Newsletter was mailed at the end of the month to over 5,000 businesses. Staff continued working on the multi-media regulatory notification campaign for filing annual business recycling reports. Staff completed recycling infrastructure evaluations for all MCPS school facilities for the 2003-04 school year.

**Multi-Family Recycling** — Staff continued to perform site visits of apartments and condominiums throughout the County in December. Work continued on the winter edition of the TRRAC newsletter. Work continued on the revisions to the Property Manager's Guidebook and the multi-media regulatory notification campaign for filing annual recycling reports for multi-family properties.

**Mixed Paper Recycling** – Existing educational materials are being distributed to residents at events. In a new brochure, mixed paper is the commodity that is used to illustrate what happens to recyclable materials once a person puts them into their recycling bin.

**Volunteer Activities** – The surveys at the Satellite Drop-off Sites are in the beginning stages. Planning for spring events is in full swing. The winter newsletter will be out shortly, and the program is currently organizing two volunteer events for students in January. We continue to look for new volunteers that can help us during the week in the office. We were assisted by 5 volunteers who provided 32 hours of outreach to over 700 residents.

## **PILOT PROGRAMS**

**Cooperative Collection Pilot** - Staff are preparing to schedule a meeting with the participating businesses to review the report findings and to provide technical assistance to the businesses to cooperatively procure recycling and waste collection services.

**ComPRO Pilot** – The County has developed a pilot bagged ComPRO production at an MES facility in Baltimore, MD. Production of ComPRO began in October.

**Tubgrinding Pilot** – From August 4-20, 2003, the County processed 5,481 yards of screened reject material at the Compost Facility. The processed material is now being sold at \$4/yard; 158 yards were sold in December.

**Bypass Pilot** – The County bypassed a limited amount of burnable waste (about 2,537 tons) directly to the Brunswick Waste Management Facility, Inc. Landfill. Bypass operations were discontinued at the end of December. The pilot program identified the principal operational issues associated with amassing necessary equipment and modifying daily operations to accomplish significant volumes of bypass.

## **FACILITY ACTIVITIES**

**Resource Recovery Facility** – The RRF processed 46,012 tons, or 1,484 tons per day. Trash deliveries averaged 11,024 tons/week. Unit 2 was down on December 11<sup>th</sup> for its scheduled outage and remained on standby for the rest of the month. There was one unscheduled outage on unit 1 on December 30<sup>th</sup> for grate bar repairs. The bars were replaced and the unit was returned to service 24.7 hours later on December 31<sup>st</sup>.

There were no OSHA recordable incidents during the month.

There were no generation emergencies issued by Mirant during the month of December. There was no need to purchase power during the month.

There were no reportable air or water quality environmental excursions during the month.

The following environmental activities occurred:

- Submitted the November 2003 Potable Water Monthly Operating Report to MDE;
- Performed the monthly visible emission (Method 9) observation required by the RRF's Title V permit;
- Submitted the October 2003 source test report/relative accuracy test audit (RATA) to MDE and EPA Region III;
- Steve Lang from MDE performed his routine Title V inspection for the RRF. No issues were noted;
- Replaced unit 3 stack HCl sample line bundle;
- Performed 4<sup>th</sup> quarter 2003 ash sampling from December 9-11, 2003; and
- Notified and submitted a spill report to MDE of a hydrated lime release that occurred on December 11<sup>th</sup>.

**Materials Recovery Facility** – Approximately 2,057 tons of commingled material were shipped out and approximately 6,585 tons of mixed paper were loaded out and transferred to the Office Paper Systems, Inc. processing facility in December 2003. Additional speed bumps were installed on the building's west side to slow haulers' trucks. New speed bumps were installed in front of the unloading bays. Estimates to repair fence and retaining wall damage caused by a hauler's truck were gathered from three contractors. Similarly, estimates from three contractors were gathered for repairs to a bay door damaged by a hauler's truck.

**Oaks Landfill** – The new landfill gas flare and control system is operating. Two punch list items remain related to the automatic re-start system and the autodialer connection.

MRC Construction, the contractor for subdividing the leachate storage lagoons to facilitate long-term maintenance completed most of the sludge removal from Lagoon #2. Weather permitting, construction will continue.

**Gude Landfill** – The concrete pad off the Southlawn Lane entrance continued to be used as a storm debris management area.

**Transfer Station** – During December, Covanta shipped via rail 50,906 tons of processible waste from the Transfer Station to the RRF; 3,100 more tons than shipped in December 2002.

The Transfer Station continued receiving and transferring leaves collected from the County's "Leaf Vacuuming Program." This program was temporarily suspended due to snow but then resumed in the latter part of December.

Manufacturing of the fourth compactor was initiated. Delivery is expected in late March or early April.

Litter was collected by MES along Shady Grove Road from Route 355 to the intersection with Muncaster Mill Road.

The inbound radiation detectors had 10 alarms in December 2003. There were no false alarms (alarms that could not be re-verified) - all but one of the valid alarms were identified as medical isotopes with short half-lives, including two cases where the driver had undergone recent medical treatment, and were accepted. One alarm was for Radium-226 (Ra-226). The source was a compass from a WWII vintage Japanese naval vessel. The load with the Ra-226 was from one of the Leisure World units that sustained fire damage. RSO was called in to remove the compass with the Ra-226.

**Site 2 Landfill Properties** – Comments on the draft Site 2 landfill refuse disposal permit are being reviewed by MDE. Construction of a mound septic system for the Draper property is awaiting appropriate weather and site conditions. The County is preparing the Dunn property for renting.

**Yard Trim Compost Facility** – In December, the Yard Trim Facility received 15,587 tons of material for composting. The year to date figure is 55,603 tons.

No debris was sent to the RRF.

Two thousand four hundred and eighty-eight (2,488) cubic yards of Leafgro were shipped to distributors.

**Bagging Operation** – In December, 5,600 bags of Leafgro were shipped to distributors (each bag is 1.5 cubic ft. weighing 45 lbs).

**Linden Farm Renovations** – Work on the Hog Shed is complete.

## **Out-of-County Haul**

**Brunswick County, Virginia** - During the month of December, about 14,500 tons of ash residue; 7,724 tons of nonprocessible waste; and 2,537 tons of bypass waste were transported to the County's dedicated disposal cell at the Brunswick Waste Management Facility, Inc. Landfill in Brunswick County, Virginia. About 56 tons of rubble were recycled this month at Clean Earth in Hagerstown, MD.

## **GENERAL INFORMATION**

### **Important Telephone Numbers**

General information on solid waste	240-777-6400
Customer Service	240-777-6410
Transfer Station	301-840-2370 (County Office) 301-590-1032 (Covanta) 301-330-2840 (MES)
Materials Recovery Facility	301-840-2701 (County Office) 301-417-1447 (MES)
Resource Recovery Facility	240-777-6494 (County Office) 301-916-3031 (Covanta)
Yard Trim Compost Facility	301-428-8185 (MES)
Internet for DSWS	<a href="http://www.montgomerycountymd.gov/solidwaste">www.montgomerycountymd.gov/solidwaste</a> <a href="http://www.montgomerycountymd.gov/recycling">www.montgomerycountymd.gov/recycling</a>

Note: All comments, questions, and suggestions on the contents of this report should be addressed to:

Theresa Souders  
Department of Public Works and Transportation  
Division of Solid Waste Services  
101 Monroe Street, 6th Floor  
Rockville, MD 20850  
Tel: 240-777-6425  
Fax: 240-777-6465  
E-mail: [theresa.souders@montgomerycountymd.gov](mailto:theresa.souders@montgomerycountymd.gov)

## SOLID WASTE FACTS IN A NUTSHELL

<b>TOPIC OR FACILITY</b>	
Latest Recycling Rate Reported in Montgomery County	37.4% (FY02)
Recycling Goal	50% by December 2004
Resource Recovery Facility (RRF)	Guaranteed Capacity = 85% of 1800 TPD on an annual basis (558,450 tons/yr @ 5,500 BTU/lb waste).
Yard Trim Composting Facility (DCF)	Operations limited to receipt of 77,000 tons/year under Sugarloaf Settlement Agreement. FY03 tons received- 80,138
# Residences receiving trash collection by County contractors	85,007
# Residences receiving collection of recyclables in blue bins and yard waste collection	203,552
Term of out-of-county waste transportation and disposal contract with Brunswick Waste Management Facility, Inc.	June 19, 1997 through June 30, 2012 with an option for a five-year renewal. (Service started on October 20, 1997.)

## GLOSSARY OF ACRONYMS

AAR	American Ash Recycling, Inc.
APC	Air Pollution Control
ASME	American Society of Mechanical Engineers
CDL	Commercial Driver's License
CEMS	Continuous Emissions Monitoring System
CFR	Code of Federal Regulation
CIP	Capital Improvements Program
COD	Cash on Delivery
COG	Metropolitan Washington Council of Governments
CSX	Chesapeake Transportation Systems
CY	Calendar Year
DEP	Department of Environmental Protection
DFS	Division of Facilities and Services
DNR	Maryland Department of Natural Resources
DSWS	Division of Solid Waste Services
EPA	Environmental Protection Agency
FIG	Facilities Implementation Group
FY	Fiscal Year
GFA	Gross Floor Area
HHW	Household Hazardous Waste
IFB	Invitation For Bid
IPM	Integrated Pest Management
LFG	Landfill Gas
LTTS	Leachate Thermal Treatment System
MCPS	Montgomery County Public Schools
MCR	Maximum Continuous Rating
MDE	Maryland Department of Environment
MES	Maryland Environmental Service
Mg/l	Milligrams per liter
M-NCPPC	Maryland National Capital Park and Planning Commission
MRF	Materials Recovery Facility
MSW	Municipal Solid Waste
MWh	Mega Watt hours
NIH	National Institutes of Health
NMWDA	Northeast Maryland Waste Disposal Authority
NOV	Notice of Violation
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed
OLAC	Oaks Landfill Advisory Commission
OMB	Office of Management and Budget
OPS	Office Paper Systems
PEPCO	Potomac Electric Power Company
PSA	Public Service Announcement
RFP	Request for Proposal
ROL	Reduced Operating Level
RRF	Resource Recovery Facility
SCA	Sugarloaf Citizens Association
SHA	State Highway Administration
SORRT	Smart Organizations Reduce and Recycle Tons
SDAT	State Department of Assessments and Taxation
SWAC	Solid Waste Advisory Committee
TXA 170	Computer Interface Program (Property Account Database)
TCLP	Toxic Characteristic Leaching Procedure
TPD	Tons Per Day
TRRAC	Think Reduce and Recycle at Apartments and Condominiums
UT	Ultra-sonic Testing